

# SlideRenu®

## PRODUCT DATA SHEET

# ColorShield™ UV4 WATER SLIDE RESTORATION COATING

**DESCRIPTION:** FOR INDUSTRIAL USE ONLY. READ PRODUCT DATA & MSDS SHEET CAREFULLY BEFORE USE. All SlideRenu® coatings have been uniquely formulated to restore, rejuvenate and protect dull color faded water slide surfaces, aquatic play features and to re-paint water slide towers.

ColorShield™ UV4 is a high-solids resin coating that forms a chemical bond to SlideRenu® Adhesion Base Coat (ABC) deep penetrating fiberglass primer, to existing gel-coat water slide surfaces and all other solvent, and water based paints. When cured, ColorShield™ UV4 is more durable than the factory applied gel-coat finish. Its long pot life (2-3 hours depending on temperature and humidity) allows the applicator sufficient open time to hand apply or spray the coating. ColorShield™ UV4 can cure at temperatures as low as 40°F or 5°C and at high levels of humidity with proper procedures. Dry times under ideal temperature conditions (70°F or 24°C / 40° Relative Humidity) are 2 hours to touch and a final cure of 16 hours. The coating has been formulated to have the highest gloss (+100 DOI/Delta) offered in the aquatics industry today and, in some applications, its WET LOOK SHINE can last up to 10 years!

ColorShield™ UV4 has outstanding abrasion resistance to body riders, rafts, inner tubes and mats. The coating may be used on all interior and exterior water slide surfaces (fiberglass, concrete and plastic) with the appropriate SlideRenu® ABC Primer. It is suitable for water immersion and has excellent resistance to ultra violet (UV) light and chlorinated pool water. ColorShield™ UV4 is the only proven coating in the aquatics industry that is CHLORINE RESISTANT and UV STABLE. Other coatings such as marine paints are not formulated to withstand the chemical effect of chlorinated water. ColorShield™ UV4 provides long-term gloss and color retention on all types of water slide; aquatic play features and water slide towers.

**CHEMICAL DESCRIPTION:** ColorShield™ UV4 is a high solids (95%) low VOC (meets California VOC regulations) inorganic silica/oxygen polymerized hybrid resin system which is chemically inert and "pre-oxidized" making it extremely resistant to chlorinated pool water, ocean salt spray, UV rays and abrasion.

**STORAGE:** Store in a clean, warm area where the temperature remains between 60-90°F or 15-30°C. Cold products are somewhat viscous and will be difficult to mix and apply. Heating of the individual components to

100°F - 30°C prior to mixing may be required to bring the products to the recommended temperatures. This product has a minimum shelf life of one(1) year when stored at 70°F or 20°C in the original sealed container.

**SURFACE PREPARATION:** Before applying to any water slide surface, it is critical to remove wax, release agents, sun tan and sun screen lotions, hard water mineral deposits, calcium scale build-up, rust stains, mold, mildew and all other surface contaminants with a pressure washer (3500 PSI HOT WATER recommended) and SlideRenu® cleaning products; SlideSoap™ and/or SlideDetergent™. For tough to remove surface contaminants and scale, use Calctrol™. (Refer to the Product Data Sheet for application instructions for all SlideRenu® products). The interior surface should be sanded with 60 or 80 grit wet sandpaper using an orbital or dual-action sander in order to create a good adhesion profile for the SlideRenu® ABC fiberglass primer. There is no need to sand the exterior surface of chop-sprayed or textured gel-coat; however, it must be completely free of all surface contaminants. Smooth or RTM exterior surfaces must be sanded with 320 grit wet sandpaper.

After sanding, rinse thoroughly using a de-ionized water filter cartridge (recommended) to eliminate microscopic hard water mineral deposits from clinging to the cleaned surface. Let surface dry completely. Wipe area to be coated with a clean lint-free white cloth and lacquer thinner solvent.

**IMPORTANT:** If the surface is not void of contaminants, sanded, thoroughly rinsed and wiped down with lacquer thinner solvent, the coating may not adhere properly.

After the surface has been wiped with lacquer thinner solvent, apply SlideRenu® ABC fiberglass primer in accordance with label instructions. **IMPORTANT:** The ABC primer must always be used when refinishing the interior surface or when subsequent repair or re-work applications of the finish coat are required. There is no need to apply the primer to the exterior surface.

**APPLICATION EQUIPMENT:** Brushes – short bristle, natural and high density foam brushes; Rollers – short nap (3/8" max.) non-shedding; microfiber or high density foam roller covers with a phenolic core; Pads – 1/4" synthetic applicator pads. Replace when brushes, rollers and pads become stiff. Spray Equipment – HVLP, airless or conventional spray system.

UV4.04.8.14



SR# 70128

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Environmentally  
Friendly

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**MIXING:** ColorShield<sup>™</sup> UV4 is not very viscous which allows it to be sprayed right out of the can. However, if necessary, it may be thinned with xylene solvent up to 10% of the combined Part A and Part B mixed volume. The mixing ratio is 4 Part A to 1 Part B by volume. Stir Part A separately before combining with Part B. Two or more individual gallon containers of Part A should be combined into a five gallon bucket (boxing) to ensure uniform color consistency and to match subsequent touch ups. Mix the products using a paint agitator on slow speed until no streaking is observed, about 1-2 minutes. Pot life begins to be reduced if ambient temperature exceeds 85°F or 29°C. Put lid on container when not in use.

**APPLICATION:** For hand application, break down the one gallon kits into smaller manageable portions such as roller pans or small buckets; about ½ gallon of mixed product per applicator is recommended. This will keep the product cooler and improve usable life. For interior RAFT riding paths, the coating thickness should be a minimum of 9-11 DFT mils; interior BODY riding paths a minimum of 5-9 DFT and ALL EXTERIOR surfaces a minimum thickness is 3 DFT mils. Approximate theoretical coverage is 250 Sq. Ft. per gallon at 5 DFT mils. NOTE: Yellow, White and Red colors have poor hiding characteristics and typically require two coats.

**IMPORTANT:** The coating should be tack-free in approximately 2 hours at 70°F or 20°C and reach a functional cure in 16 hours at 70°F or 20°C. The minimum recoat time for a second coat of ColorShield<sup>™</sup> UV4 is approximately 4 hours at 70°F or 21°C. Minimum Application Temperature is 50°F or 10°C. Subsequent ColorShield<sup>™</sup> UV4 coats should be applied within 24 hours after the previous finish coat. If the finish coat cannot be applied within 24 hours, the surface must be lightly sanded with 220 grit wet sandpaper, rinsed with water and wiped down with lacquer thinner solvent before applying the next coat of ColorShield<sup>™</sup> UV4. Failure to sand, rinse and solvent wipe the surface may cause the topcoat not to adhere properly.

**IMPORTANT:** Drying times are dependent upon temperature and humidity conditions. High humidity can slow down dry time. DO NOT APPLY WHEN SURFACE TEMPERATURE IS OVER 100°F or 38°C. THIS WILL CAUSE THE COATING TO "FLASH DRY" AND SUBSTANTIALLY REDUCE ITS ADHESION TO THE SURFACE.

**CLEAN-UP:** Use xylene, acetone or lacquer thinner to clean up spray equipment. Wash hands with a mild citrus-based soap.

**WARNING:** Use only with adequate ventilation when applying indoors. Avoid breathing vapor and spray mist. USE A BREATHING MASK AND PAINTER'S HOOD. Avoid contact with skin and eyes. WEAR FULL LENGTH PANTS AND SHIRTS. Wash hands after using product with a citrus-based soap. Keep all containers closed when not in use. ALWAYS USE PROTECTIVE EQUIPMENT. Do not take internally.

#### KEEP OUT OF REACH OF CHILDREN

**FIRST AID:** In case of contact: EYES - Immediately flush with water for at least fifteen (15) minutes. SKIN - Immediately remove from skin with dry cloth followed by thorough washing with a citrus-based soap and water. INHALATION - Remove to fresh air. If breathing is difficult, give oxygen. INDIGESTION - Give large quantity of milk or water, induce vomiting. Contact a physician immediately.

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make not guarantee or results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

**Do not transfer contents to unlabeled containers. Store between 60°F (16°C) and 90°F (32°C).**

**This product is available in one gallon containers and sold exclusively by SlideCare, LLC.**

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